



University of Groningen

## Lateral manipulation for the positioning of molecular guests within the confinements of a highly stable self-assembled organic surface network

Stöhr, Meike; Wahl, Markus; Spillmann, Hannes; Gade, Lutz H.; Jung, Thomas A.

*Published in:*  
Small

*DOI:*  
[10.1002/smll.200700099](https://doi.org/10.1002/smll.200700099)

**IMPORTANT NOTE:** You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

*Document Version*  
Publisher's PDF, also known as Version of record

*Publication date:*  
2007

[Link to publication in University of Groningen/UMCG research database](#)

### *Citation for published version (APA):*

Stöhr, M., Wahl, M., Spillmann, H., Gade, L. H., & Jung, T. A. (2007). Lateral manipulation for the positioning of molecular guests within the confinements of a highly stable self-assembled organic surface network. *Small*, 3(8), 1336-1340. <https://doi.org/10.1002/smll.200700099>

### **Copyright**

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

### **Take-down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

*Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.*



## Supporting Information

© Copyright Wiley-VCH Verlag GmbH & Co. KGaA, 69451 Weinheim, 2007

## Supporting Information

### **Lateral manipulation for the positioning of molecular guests within the Confinements of a Highly Stable Self-Assembled Organic Surface Network**

by

Meike Stöhr,<sup>\*[a]</sup> Markus Wahl,<sup>[a]</sup> Hannes Spillmann,<sup>[a]</sup> Lutz H. Gade<sup>\*[b]</sup>

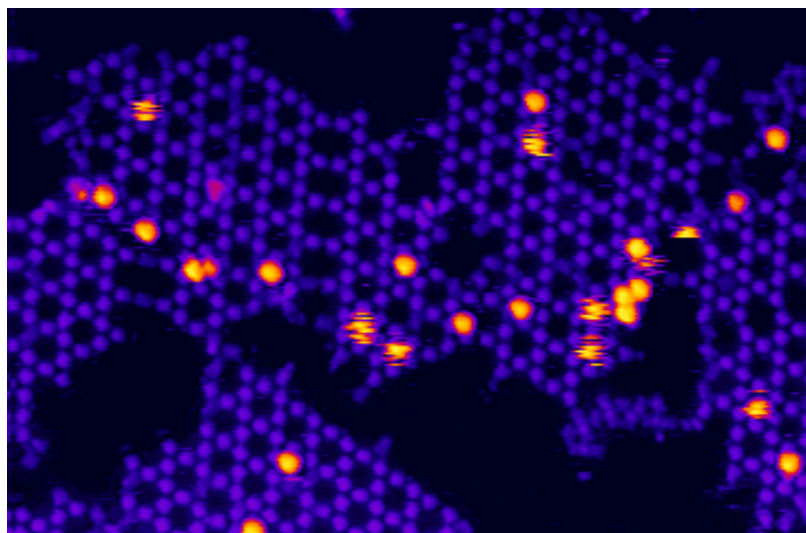
and Thomas A. Jung<sup>\*[c]</sup>

- [a] NCCR Nanoscale Science and Institute of Physics, University of Basel, Klingelbergstr. 82, 4056 Basel, Switzerland. E-mail: [meike.stoehr@unibas.ch](mailto:meike.stoehr@unibas.ch)
- [b] Anorganisch-Chemisches Institut, Universität Heidelberg, Im Neuenheimer Feld 270, 69120 Heidelberg, Germany. E-mail: [lutz.gade@uni-hd.de](mailto:lutz.gade@uni-hd.de)
- [c] Laboratory for Micro- and Nanostructures, Paul-Scherrer-Institute, 5232 Villigen, Switzerland. E-mail: [thomas.jung@psi.ch](mailto:thomas.jung@psi.ch)

- 
- |   |     |
|---|-----|
| 1) STM-Images of C <sub>60</sub> deposited onto dehydro-DPDI on Cu(111) recorded at ambient temperature | p.2 |
| 2) STM-Images of C <sub>60</sub> deposited onto dehydro-DPDI on Cu(111) recorded at 77K                 | p.3 |
| 3) STM-Images of C <sub>60</sub> deposited at high density onto dehydro-DPDI on Cu(111) recorded at 77K | p.4 |
-

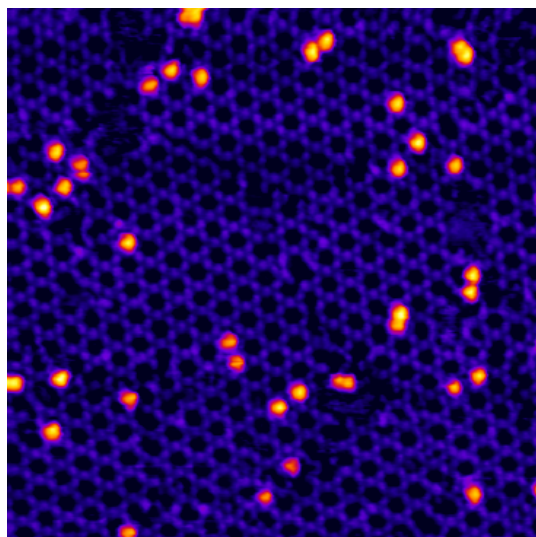
1) STM-Images of  $C_{60}$  deposited onto dehydro-DPDI on Cu(111) recorded at ambient temperature

**Figure S1**



2004-11-12\_31, RT, 50 nm x 33 nm

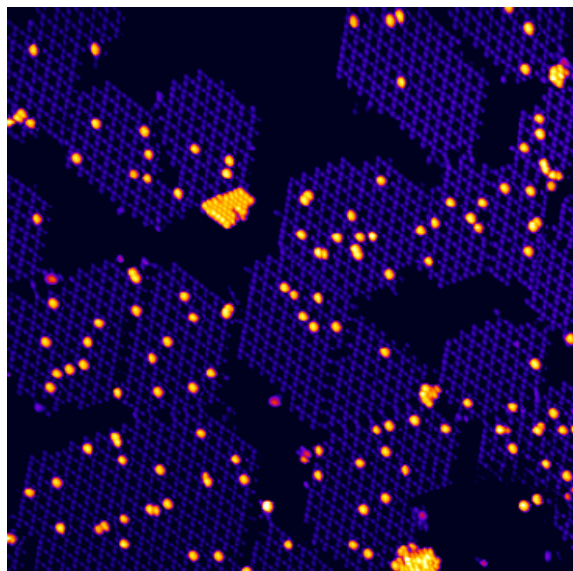
**Figure S2**



2005-03-16\_21, RT, 50 nm x 50 nm

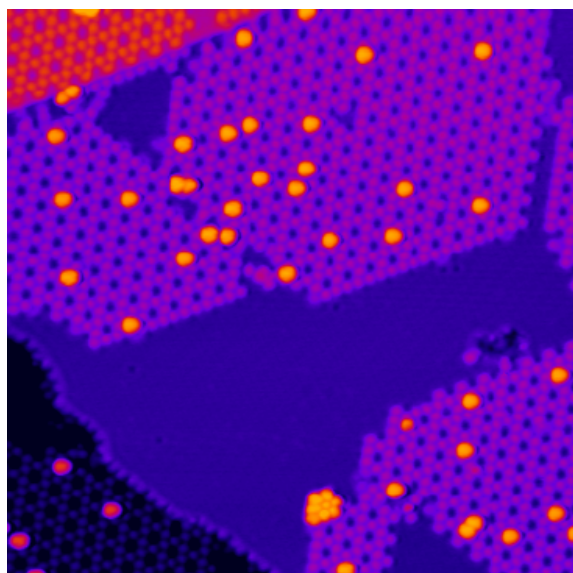
2) STM-Images of  $C_{60}$  deposited onto dehydro-DPDI on Cu(111) recorded at 77K

**Figure S3**



2005-07-27\_07, 77 K, 100 nm x 100 nm

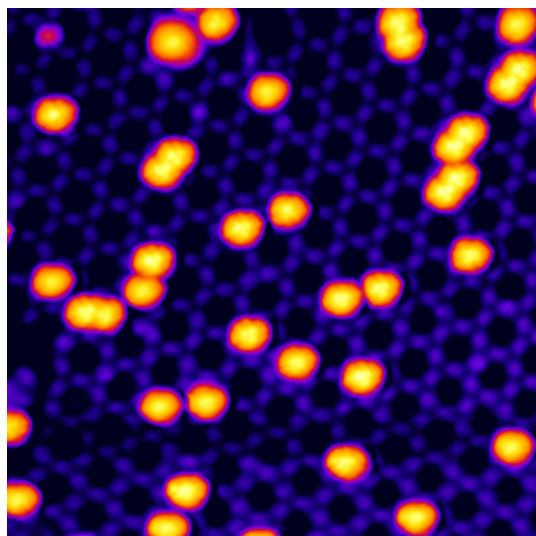
**Figure S4**



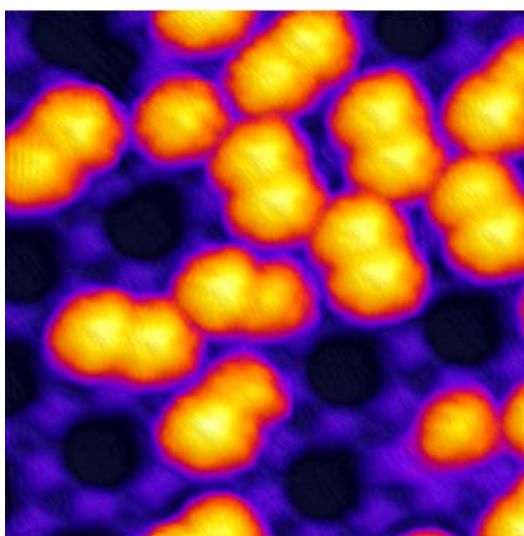
2005-07-28\_20, 77 K, 58 nm x 58 nm

3) STM-Images of  $C_{60}$  deposited at high density onto dehydro-DPDI on Cu(111) recorded at 77K

**Figure S5**

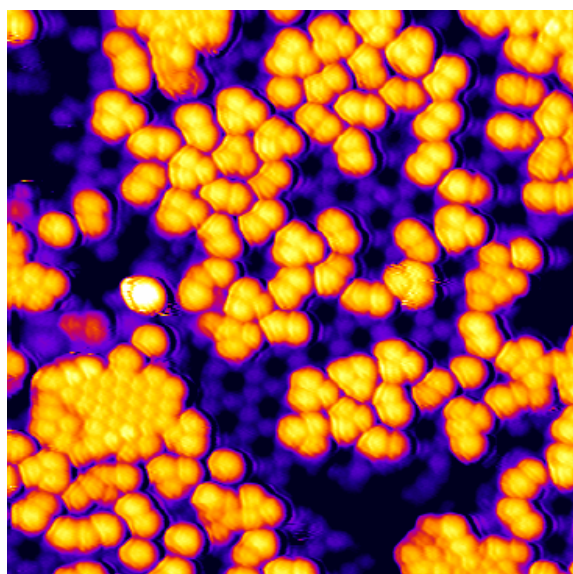


2005-09028\_19, 77 K, 28nm x 28nm



2005-09-28\_43, 77 K, 10nm x 10nm

**Figure S6**



2006-01-23\_13, 77 K, 30nm x 30nm